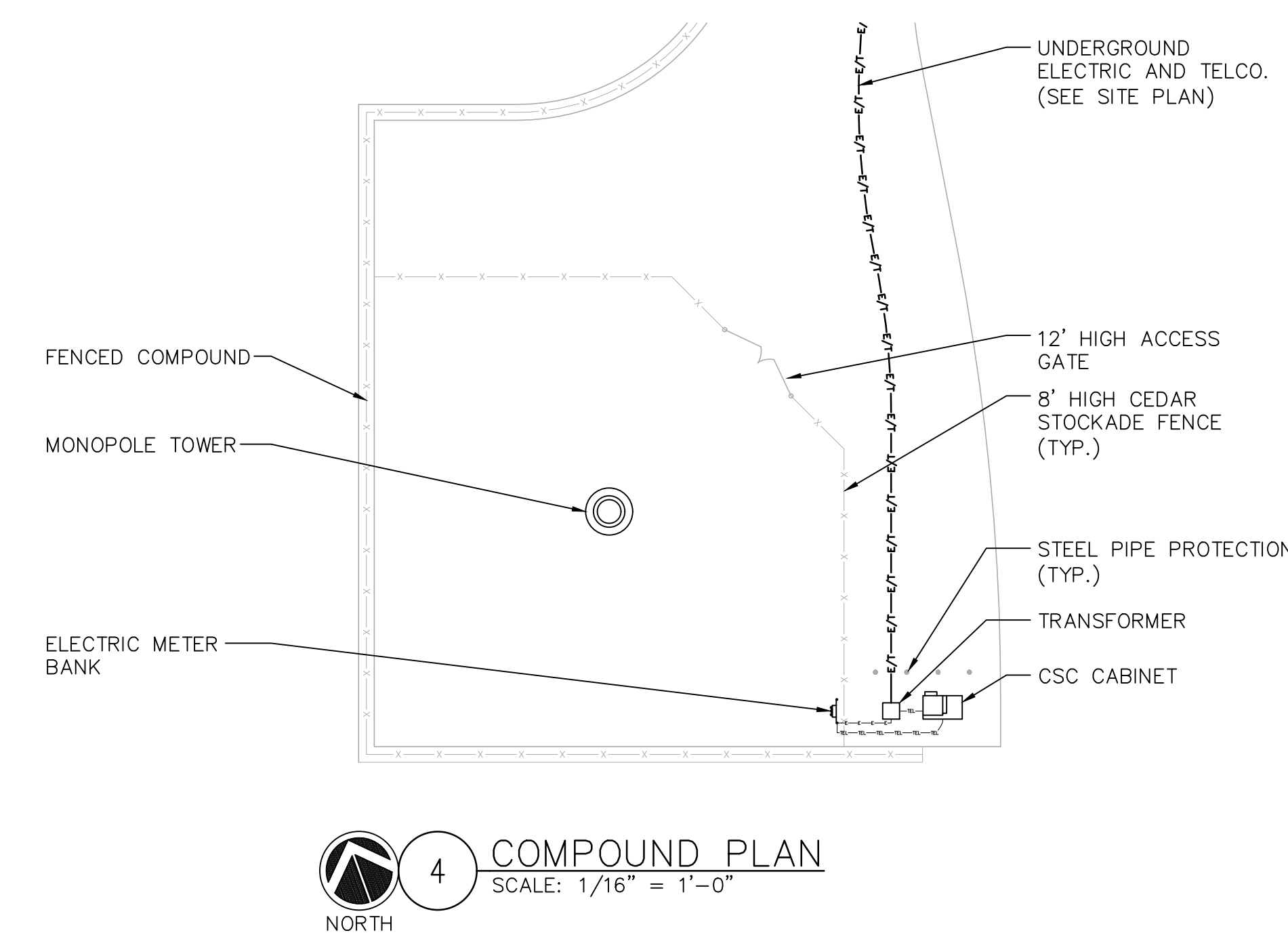


3 ELECTRICAL SITE PLAN  
SCALE: 1/64" = 1'-0"



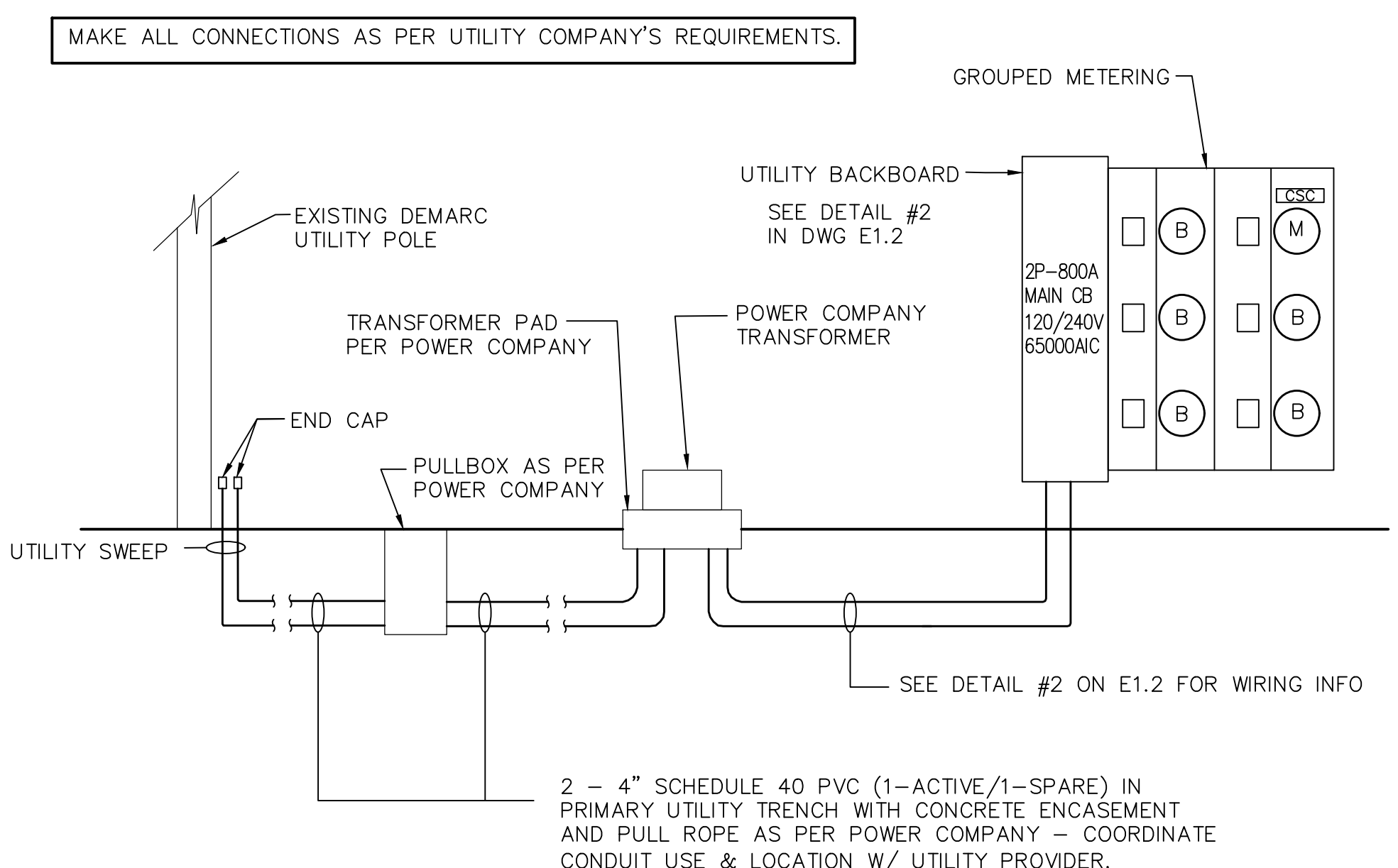
4 COMPOUND PLAN  
SCALE: 1/16" = 1'-0"

## ELECTRICAL LEGEND

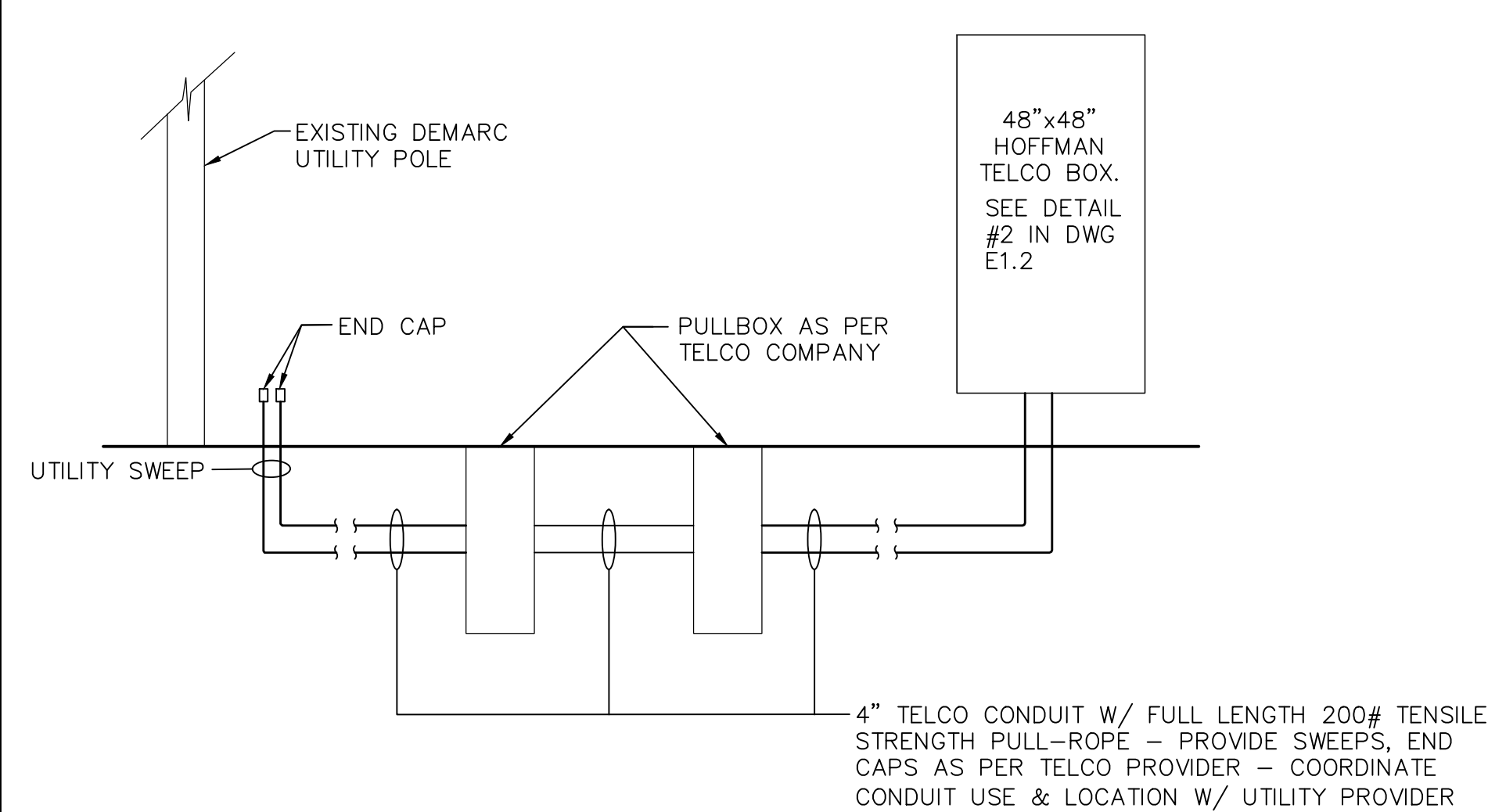
U.O.N.	UNLESS OTHERWISE NOTED	NEW PANEL BOARD, SURFACE MOUNTED
WP	WEATHERPROOF	EXISTING PANEL BOARD, SURFACE MOUNTED
GFI	GROUND FAULT INTERRUPTER	DRY TYPE TRANSFORMER
A	AMPERE	METER
V	VOLT	CIRCUIT BREAKER
KWH	KILOWATT - HOUR	NON-FUSIBLE DISCONNECT SWITCH, MOUNTED 54" A.F.F.
C	CONDUIT	FUSIBLE DISCONNECT SWITCH, MOUNTED 54" A.F.F.
G	GROUND	TRANSIENT VOLTAGE SURGE SUPPRESSOR W/ BUILT-IN FUSES, SURFACE MOUNTED
⊥	GROUND	DUPLEX OUTLET, SURFACE MOUNTED, 20 AMPS, 125 VOLTS, SINGLE PHASE
MGB	MASTER GROUND BAR	JUNCTION BOX, SURFACE MOUNTED 18" A.F.F.
1/4"x8"x24" COPPER		EXPOSED WIRING
EGB	EQUIPMENT GROUND BAR	HOME RUNS, MINIMUM 2#10 + 1#10G IN 3/4" CONDUIT U.O.N. A.F.F. ABOVE FINISHED FLOOR
1/2"x4"x12" OR 3/4"x4"x18" COPPER		
GROUND COPPER WIRE, SIZE AS NOTED		
EXPOSED WIRING		
COAXIAL CABLE		
5/8"x8" COPPER CLAD STEEL GROUND ROD		
EXOTHERMIC (CADWELD) OR MECHANICAL (COMPRESSION TYPE) CONNECTION		

## ELECTRICAL AND GROUNDING NOTES

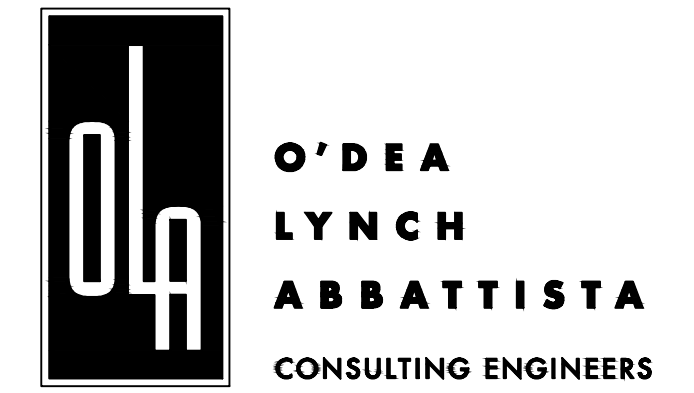
- ALL ELECTRICAL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE (NEC) AS WELL AS APPLICABLE STATE & LOCAL CODES.
- ALL ELECTRICAL ITEMS SHALL BE U.L. APPROVED OR LISTED & PROCURED PER SPECIFICATION REQUIREMENTS.
- THE ELECTRICAL WORK INCLUDES ALL LABOR & MATERIAL DESCRIBED BY DRAWINGS & SPECIFICATION INCLUDING INCIDENTAL WORK TO PROVIDE COMPLETE OPERATING & APPROVED ELECTRICAL SYSTEM.
- GENERAL CONTRACTOR SHALL PAY FEES FOR PERMITS, & IS RESPONSIBLE FOR OBTAINING SAID PERMITS & COORDINATION OF INSPECTIONS.
- ELECTRICAL & TELCO WIRING OUTSIDE A BUILDING & EXPOSED TO WEATHER SHALL BE IN WATER TIGHT GALVANIZED RIGID STEEL CONDUITS OR SCHEDULE 80 PVC (AS PERMITTED BY CODE) & WHERE REQUIRED IN LIQUID TIGHT FLEXIBLE METAL OR NONMETALLIC CONDUITS.
- BURIED CONDUIT SHALL BE SCHEDULE 40 PVC U.O.N.
- ELECTRICAL WIRING SHALL BE COPPER W/ TYPE XHHW OR THWN.
- RUN ELECTRICAL CONDUIT OR CABLE BETWEEN ELECTRICAL UTILITY DEMARCATION POINT & LESSEE/LICENSEE CELL SITE POWER PEDESTAL AS INDICATED ON THIS DRAWING. PROVIDE FULL LENGTH PULL ROPE. COORDINATE INSTALLATION W/ UTILITY COMPANY.
- RUN TELCO CONDUIT OR CABLE BETWEEN TELEPHONE UTILITY DEMARCATION POINT & LESSEE/LICENSEE CELL SITE TELCO CABINET & CSC CABINET AS INDICATED ON THIS DRAWING. PROVIDE FULL LENGTH PULL ROPE IN INSTALLED TELCO CONDUIT. PROVIDE GREENLEE CONDUIT MEASURING TAPE AT EACH END.
- WHERE CONDUITS BETWEEN BTS & LESSEE/LICENSEE CELL SITE POWER PEDESTAL & BETWEEN BTS & LESSEE/LICENSEE CELL SITE TELCO SERVICE CABINET ARE UNDERGROUND USE PVC, SCH 40 CONDUIT. ABOVE THE GROUND PORTIONS OF THESE CONDUITS SHALL BE PVC CONDUITS.
- ALL EQUIPMENT LOCATED OUTSIDE SHALL HAVE NEMA 3R ENCLOSURES.
- POWER PEDESTAL SUPPLIED BY LESSEE/LICENSEE.
- GROUNDING SHALL COMPLY W/ NEC ART. 250.
- GROUND COAXIAL CABLE SHIELDS MINIMUM @ BOTH ENDS USING MANUFACTURERS COAX CABLE GROUNDING KITS SUPPLIED BY LESSEE/LICENSEE.
- USE #6 COPPER STRANDED WIRE W/ GREEN COLOR INSULATION FOR ABOVE GRADE GROUNDING (UNLESS OTHERWISE SPECIFIED) & #2 SOLID TINNED BARE COPPER WIRE FOR BELOW GRADE GROUNDING AS INDICATED ON THE DRAWING.
- ALL GROUND CONNECTIONS TO BE BURNDY HYGROUND COMPRESSION TYPE CONNECTORS OR CADWELD EXOTHERMIC WELD. DO NOT ALLOW BARE COPPER WIRE TO BE IN CONTACT W/ GALVANIZED STEEL.
- ROUTE GROUNDING CONDUCTORS ALONG THE SHORTEST & STRAIGHTEST PATH POSSIBLE, EXCEPT AS OTHERWISE INDICATED. GROUNDING LEADS SHOULD NEVER BE BENT AT RIGHT ANGLE. ALWAYS MAKE AT LEAST 12" RADIUS BENDS. #6 WIRE CAN BE BENT AT 6" RADIUS WHEN NECESSARY. BOND ANY METAL OBJECTS WITHIN 7 FEET OF LESSEE/LICENSEE EQUIPMENT OR CABINET TO MASTER GROUND BAR.
- CONNECTIONS TO GROUND BARS SHALL BE MADE W/ TWO HOLE COMPRESSION TYPE COPPER LUGS. APPLY OXIDE INHIBITING COMPOUND TO ALL LOCATIONS.
- APPLY OXIDE INHIBITING COMPOUND TO ALL COMPRESSION TYPE GROUND CONNECTIONS.
- BOND ANTENNA MOUNTING BRACKETS, COAXIAL CABLE GROUND KITS, & ALNA TO EGB PLACED NEAR THE ANTENNA LOCATION.
- BOND ANTENNA EGB'S & MGB TO GROUND RING.
- TEST COMPLETED GROUND SYSTEM & RECORD RESULTS FOR PROJECT CLOSE-OUT DOCUMENTATION.



1 POWER RISER DIAGRAM  
SCALE: NONE



2 TELCO RISER DIAGRAM  
SCALE: NONE



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SITE: NELSONVILLE  
15 ROCKLEDGE ROAD  
NELSONVILLE, NY

ELECTRICAL SITE PLAN

STATE OF NEW YORK JOHN TORRES LICENSED PROFESSIONAL ENGINEER 071678	SCALE	PROJECT NO.
	AS NOTED	HTL001100
	DRAWN BY	DRAWING NO.
	JL	
	CHECKED BY	
	JF	
	DATE	
	3/13/2020	

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